



Search  for

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**1: CAB07811 sucrose transport protein [Vicia faba]**

LOCUS CAB07811 523 aa PLN 09-APR-1997  
 DEFINITION sucrose transport protein [Vicia faba].  
 ACCESSION CAB07811  
 PID g1935019  
 VERSION CAB07811.1 GI:1935019  
 DBSOURCE embl locus VFZ93774, accession Z93774.1  
 KEYWORDS .  
 SOURCE fava bean.  
 ORGANISM Vicia faba  
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;  
 Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;  
 Rosidae; eurosids I; Fabales; Fabaceae; Papilionoideae; Vicia.  
 REFERENCE 1 (residues 1 to 523)  
 AUTHORS Weber,H., Borisjuk,L., Heim,U., Sauer,N. and Wobus,U.  
 TITLE A role for sugar transporters during seed development: Molecular  
 characterization of a hexose and a sucrose carrier in faba bean  
 seeds  
 JOURNAL Plant Cell In press  
 REFERENCE 2 (residues 1 to 523)  
 AUTHORS Heim,U.  
 TITLE Direct Submission  
 JOURNAL Submitted (09-APR-1997) Heim U., Institut fuer Pflanzengenetik und  
 Kulturpflanzenforschung, Correnstr.3, Gatersleben, FRG  
 FEATURES Location/Qualifiers  
 source 1..523  
 /organism="Vicia faba"  
 /db\_xref="taxon:3906"  
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 CDS 1..523  
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 121 ligyaadlgh sfgdsldqkv rpraigifvv gfwildvann mlqgpcrall gdlcagnqrk  
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 481 gnlpafvuga vaalasgils iillpspppd maksvsatgg gfh  
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☐ 1: CAA76367 **sucrose/H<sup>+</sup> symporter [Daucus carota]**

LOCUS CAA76367 501 aa PLN 13-JAN-1999  
 DEFINITION sucrose/H<sup>+</sup> symporter [Daucus carota].  
 ACCESSION CAA76367  
 PID g2969887  
 VERSION CAA76367.1 GI:2969887  
 DBSOURCE embl locus DCSUT1A, accession Y16766.1  
 KEYWORDS .  
 SOURCE carrot.  
 ORGANISM Daucus carota  
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;  
 Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;  
 Asteridae; euasterids II; Apiales; Apiaceae; Daucus.  
 REFERENCE 1 (residues 1 to 501)  
 AUTHORS Shakya,R. and Sturm,A.  
 TITLE Characterization of source- and sink-specific sucrose/H<sup>+</sup> symporters  
 from carrot  
 JOURNAL Plant Physiol. 118 (4), 1473-1480 (1998)  
 MEDLINE 99063785  
 REFERENCE 2 (residues 1 to 501)  
 AUTHORS Sturm,A.  
 TITLE Direct Submission  
 JOURNAL Submitted (02-MAR-1998) A. Sturm, Friedrich Miescher-Institut,  
 Maulbeerstr. 66, CH-4058 Basel, SWITZERLAND  
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 /organism="Daucus carota"  
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 121 iggllgdtad nktmaivafv igfwildvan nmtggpcral ladltgndar rtrvanayfs  
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 241 kerprissqd gpqfsedgta qsghieafl welfgtfrll pgsvvvillv tclnwigwfp  
 301 filfdtdwmq reiyggepnq ggsysdgvrm gafglmmns vlgitsvlme klcrlwsgsf  
 361 mwglslnilmt icffamllit fiaknmdygt nppngivis alivfailgi plaitysvpy  
 421 alvstriesl glggglsmgv lnlaivvpqv ivslgsgpwd qlfgggnsa fvvaalsafa  
 481 aglialiair rprvdk srlh h

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Protein

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**1: S43142 sucrose transport protein - castor bean**

LOCUS S43142 533 aa PLN 26-MAY-2000  
DEFINITION sucrose transport protein - castor bean.  
ACCESSION S43142  
PID g542020  
VERSION S43142 GI:542020  
DBSOURCE pir: locus S43142;  
summary: #length 533 #molecular-weight 56359 #checksum 5859;  
superfamily: common tobacco sucrose transport protein;  
PIR dates: 13-Jan-1995 #sequence\_revision 13-Jan-1995 #text\_change  
26-May-2000.

KEYWORDS .  
SOURCE castor bean.  
ORGANISM Ricinus communis  
Eukaryota; Viridiplantae; Embryophyta; Tracheophyta; Spermatophyta;  
Magnoliophyta; eudicotyledons; core eudicots; Rosidae; eurosids I;  
Malpighiales; Euphorbiaceae; Ricinus.

REFERENCE 1 (residues 1 to 533)  
AUTHORS Weig, A. and Komor, E.  
TITLE Direct Submission  
JOURNAL Submitted (??-MAR-1994) to the EMBL Data Library

FEATURES Location/Qualifiers  
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/db\_xref="taxon:3988"  
Protein 1..533  
/product="sucrose transport protein"  
/note="sucrose carrier"

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181 ktrtanalfs ffmavgnvlg yaagaythly klfpftkttc cdvycanlks cffisivlll  
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301 lvtclnwiaw fpfllfdtdw mgrevyggds sgaeqlkly drgvragalg lmlnsvvlgf  
361 tslgvevlar gvggvkrlwg ivnfvlavcl amtvlvtkqa estrrfatvs ggakvplppp  
421 sgvkagalal favmgvpqai tysipfalas ifsntsgagq glslgvlnlv ivipqmivsv  
481 aagpwwdalvg ggnlpafvvg avaalasgif altmlpsppq dmpsakalta afh

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Protein

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1: BAA24071 sucrose transporter [Oryza sativa]

LOCUS BAA24071 537 aa PLN 26-DEC-1997  
 DEFINITION sucrose transporter [Oryza sativa].  
 ACCESSION BAA24071  
 PID g2723471  
 VERSION BAA24071.1 GI:2723471  
 DBSOURCE locus D87819 accession D87819.1  
 KEYWORDS .  
 SOURCE Oryza sativa.  
 ORGANISM Oryza sativa  
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;  
 Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;  
 Ehrhartoideae; Oryzeae; Oryza.  
 REFERENCE 1 (residues 1 to 537)  
 AUTHORS Hirose, T.  
 TITLE Direct Submission  
 JOURNAL Submitted (09-SEP-1996) to the DDBJ/EMBL/GenBank databases. Tatsuro  
 Hirose, Hokuriku National Agricultural Experiment Station, Lab. of  
 Rice Metabolism; 1-2-1 Inada, Joetsu, Niigata 943-01, Japan  
 (E-mail: dragon@affrc.go.jp, Tel: 0255-26-8300, Fax: 0255-24-8578)  
 REFERENCE 2 (sites)  
 AUTHORS Hirose, T., Imaizumi, N., Scofield, G. N., Furbank, R. T. and Ohsugi, R.  
 TITLE cDNA cloning and tissue specific expression of a gene for sucrose  
 transporter from rice (Oryza sativa L.)  
 JOURNAL Plant Cell Physiol. 38 (12), 1389-1396 (1997)  
 MEDLINE 98182940  
 FEATURES Location/Qualifiers  
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## ORIGIN

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241 acanlkgafl vaviflslcl vitlifakev pfgknaalpt ksnepaepg tgplavlkgf
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